

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V

DATE: April 9, 1982
SUBJECT: Reilly Tar Case/Report of 4/1/82 Trip to Minnesota
FROM: Robert E. Leininger
TO: Roger M. Grimes



The purpose of this trip was to meet with Steve Shakman and Dennis Coyne of the State Attorney General's office to prepare for the deposition of H.L. Finch. He was the general manager of the site from 1950 until the plant closed in 1972 and will be used at the trial to document the site operation, facilities, housekeeping and other site related activities.

The state has developed a computer system which contains information on all of the documents produced by Reilly, as well as State and USGS documents relating to the case. Most of the time spent on this trip was devoted to learning how to use the system to our best advantage. I will explain how the system works and how we are using it to facilitate our preparation for the Finch deposition.

All of the documents were read through by employees of Aspen Systems Corporation. For each document they would fill out a form upon which they would write in the following information:

Accession number - the identification number Reilly stamped upon each produced document

document date - by year, month and day, eg. 820408

authors - all authors of the document and whom they worked for.

title -

document type - memo, letter, meeting minutes, etc.

marg/lgb/encl - denotes whether there is any marginalia on the document (Y or N for yes or no), legibility (G, P, or E for good, poor or excellent), and whether there are any enclosures (Y or N for yes or no).

Organizations in text: *they would list all organizations mentioned in the text*

The document readers also would scan each document for subject matter. Aspen Systems, with the help of state and federal personnel developed a taxonomy whereby different letters would represent different subject categories. There are thirteen major subject categories (A,B, C,...N) (See Attachment A.) Each major subject category is broken down into more specific subject categories.

For example:

D = Soil/rock/water at/near site
DC = water
DCF = Groundwater

DCFE = Wells
DCFEF = onsite wells
DCFEFB = well 23
DCFEFBA = Installation of well 23
(See attachment B)

There are a total of 587 subject categories. They are indexed by code, as seen in Attachment B and also by subject matter (see Attachment C).

In order to prepare for the Finch deposition we had Ken Stevenson, the state's paralegal, print out the computerized information on all of the documents that relate to Finch, i.e., those in which his name appeared as author, as addressee, in the title of the document, in the text of the document or on which he was copied. Ken had the computer print out the information by subject category. We then divided the print out into thirds. I'm responsible for reviewing the documents which relate to construction activities, coal tar refinery, wood treatment, waste disposal and several other categories. David Taliaferro said he could help with the review process. A total of 383 documents have been printed out in my categories, but many of them are duplicates. All of them are on microfiche here in this office so that the entire document can be read if it looks like a good one.

A copy of the print out of some of the documents in category DCF is attached for your information. (Attachment 0)

I've talked to Larry Kyte and Jon McPhee about how this process works since they are interested in developing programs for the Seymour and Chem-Dyne cases.

cc: Gardebring
Ullrich
Schulteis
Walker
Bitter

PROJECT TWINS TAXONOMY
MAJOR SUBJECT CATEGORIES

A

- A - - - - - EQUIPMENT/FACILITIES AT/NEAR SITE
- B - - - - - PROCESSING/OPERATING ACTIVITIES ON/OFF SITE
- C - - - - - CONSTRUCTION ACTIVITIES
- D - - - - - SOIL/ROCK/WATER AT/NEAR SITE
- E - - - - - HEALTH/ENVIRONMENTAL EFFECTS/TESTING
- F - - - - - PURCHASE/SALE OF SITE
- G - - - - - MEETINGS
- H - - - - - COMPANY MANAGEMENT/INDUSTRY SPECIFICATIONS/PRACTICES
- J - - - - - GOVERNMENT STANDARDS/LEGISLATION/REGULATIONS/PERMITS
- K - - - - - CHEMICALS/MATERIALS/PRODUCTS
- L - - - - - FINANCIAL ASPECTS
- M - - - - - PUBLIC REACTION/LITIGATION RE PLANT SITE
- N - - - - - REMEDIAL ACTIONS/CLEANUP

CONFIDENTIAL
ATTORNEY WORK PRODUCT

ATTORNEY WORK PRODUCT
SEPTEMBER 8, 1981

PROJECT TWINS TAXONOMY

B

Code at This Location	Codes at other Locations	TERMS
D		Soil/rock/water at/near site
DA		. Topography of site
DB		. Soil/rock/glacial deposit
DBA		. . Sand/gravel
DBB		. . Clay
DBC		. . Peat
DBD		. . Tarry soils
DBE		. . Bedrock
DBEA		. . . Bedrock valleys
DBEB		. . . Limestone
DBEC		. . . Sandstone
DBED		. . . Shale
DBF		. Soil/rock characteristics
DBFA		. . . Composition/texture/color of soil/rock
DBFB		. . . Permeability/hydraulic conductivity/porosity of soil/rock
DBFC		. . . Sorption/ion exchange capacity of soil/rock
DBG	-EBC-	. Soil/rock contamination
DBGA	-EBCA	. . . Odor/visual contamination of soil
DC		Water
DCA		. . Water levels/tables
DCB		. . Water usage/volume of water pumped from wells
DCC	-EBB-	. . Water contamination
DCD		. . Surface water
DCDA		. . . Direction of surface water movement
DCDB		. . . Quality of surface water
DCDC		. . . Rivers/creeks
DCDCA	 Mississippi River
DCDCB	 Minnehaha Creek
DCDCBA	-DCEF Flooding of Minnehaha Creek
DCDCBAA	-DCEFA- Floodplain description of Minnehaha Creek
DCDD		. . . Lakes
DCDE		. . . Wetlands

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCDF-	-	Ponds
DCDFA	-AAE-	Cooling water pond/lagoon alongside refinery
DCDFB	-	Storm water ponds
DCE	-	Flooding/floods
DCEA-	-BEAD	Surface runoff
DCEB-	-	Storm water management/practices
DCEBA	-	Company practices re storm water management
DCEBB	-	St. Louis Park practices re storm water management
DCEBBA-	-	Pumping of storm water onto site by St. Louis Park
DCEC-	-	Flooding/floods onsite
DCECA	-	Flooding in refinery area
DCECAA-	-DCECDB	Flooding of refinery pipe trenches
DCECAB-	-	Flooding of cooling water pond
DCECB	-	Flooding in retort area
DCDCBA-	-	Flooding of retorts/catch basins beneath retorts
DCECBB-	-	Flooding in dock area near retort
DCECBC-	-	Flooding of retort storage tanks/treatment room
DCECBD-	-DCECDC	Flooding of retort pipe trenches
DCECC	-	Flooding in wood storage area
DCECD	-	Flooding of settling basin and tributary drainage system
DCECDA-	-	Flooding of settling basin
DCECDB-	-DCECAA	Flooding of refinery pipe trenches
DCECDC-	-DCECBD	Flooding of retort pipe trenches
DCECDD-	-	Flooding of onsite drainage ditch/drain tiles/pipes from settling basin to Walker Street
DCECDE-	-	Flooding of drainage ditch/culvert alongside Walker Street
DCED-	-	Flooding of Highway 7 Culvert
DCEE-	-	Flooding of Lake Street/railroad culvert
DCEF-	-DCDCBA	Flooding of Minnehaha Creek
DCEFA	-DCDCBAA-	Floodplain description of Minnehaha Creek
DCE	-	Groundwater
DCFA-	-	Quality of groundwater

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCFB-	- - - - -	Direction of groundwater movement
DCFC-	- - - - -	Aquifers
DCFCA	- - - - -	Sole source aquifers
DCFCB	- - - - -	Mount Simon-Hinckley aquifer
DCFCC	- - - - -	Franconia-Ironton-Galesville aquifer
DCFCD	- - - - -	Prairie du Chien-Jordan aquifer
DCFCDA-	- - - - -	Prairie du Chien aquifer
DCFCDB-	- - - - -	Jordan aquifer
DCFCE	- - - - -	St. Peter aquifer
DCFCF	- - - - -	Platteville aquifer
DCFCG	- - - - -	Drift/till aquifer
DCFCGA-	- - - - -	Upper drift aquifer
DCFCGB-	- - - - -	Middle drift aquifer
DCFCGC-	- - - - -	Lower drift aquifer
DCFD-	- - - - -	Confining beds
DCFDA	- - - - -	Eau Claire confining bed
DCFDB	- - - - -	St. Lawrence-Franconia confining bed
DCFDC	- - - - -	Basal St. Peter confining bed
DCFDD	- - - - -	Glenwood confining bed
DCFE-	- - - - -	Wells
DCFEA	- - - - -	Well casings
DCFEB	- - - - -	Quality of well water
DCFEBA-	- - - - -	Taste of well water
DCFEBB-	- - - - -	Odor of well water
DCFEC	- - - - -	Capacity/yield of wells
DCFED	- - - - -	Multiaquifer wells
DCFEE	-CH-	Construction/installation of wells
DCFEEA-	-BHA,CHA,DCFEFBA-	Installation of well 23
DCFEEB-	-BHB,CHB,DCFEFCA-	Installation of well 105
DCFEEC-	-CHC-	Well logs/geological strata transversed in well construction
DCFEF	- - - - -	Onsite wells
DCFEFA-	-DCFEJA,NJA-	Onsite monitoring wells

PROJECT TWINS TAXONOMY

Code at This Location	Codes at other Locations	TERMS
DCFEFB-	- - - - -	Well 23
DCFEFBA-	-BHA,CHA,DCFEEA - - - - -	Installation of well 23
DCFEFBB -	-BGAC,DCFEBB- - - - -	Maintenance of well 23
DCFEFBBA-	-BGACA,BGAEA,DCFEGBA,DCFEGDA-	Plugging/clogging of well 23
DCFEFBBB-	-BGACB,BGAFC,DCFEGBB,DCFEGEB-	Testing/inspection of well 23
DCFEFC-	- - - - -	Well 105
DCFEFCA -	-BHB,CHB,DCFEEB - - - - -	Installation of well 105
DCFEFCB -	- - - - -	Maintenance of well 105
DCFEFCBA-	-BGADA,BGAEB,DCFEGCA,DCFEGDB-	Plugging/clogging of well 105
DCFEFCBB-	-BGADB,BGAFC,DCFEGCB,DCFEGEC-	Testing/inspection of well 105
DCFEG - -	-BGA- - - - -	Maintenance/repair of wells/well equipment
DCFEGA- -	-BGAA,BGFA- - - - -	Maintenance/repair of well pumps
DCFEGAA -	-BGAAA,BGAFA,BGFAA,BGFBA, DCFEGEA- - - - -	Testing/inspection of well pumps
DCFEGB- -	-BGAC,DCFEBB- - - - -	Maintenance of well 23
DCFEGBA -	-BGACA,BGAEA,DCFEBBA,DCFEGDA	Plugging/clogging of well 23
DCFEGBB -	-BGACB,BGAFC,DCFEBBB,DCFEGEB	Testing/inspection of well 23
DCFEGC- -	-BGAD,DCFECB - - - - -	Maintenance of well 105
DCFEGCA -	-BGADA,BGAEB,DCFECBA,DCFEGDB	Plugging/clogging of well 105
DCFEGCB -	-BGADB,BGAFC,DCFECBB,DCFEGEC	Testing/inspection of well 105
DCFEGD- -	-BGAE - - - - -	Plugging/clogging of wells
DCFEGDA -	-BGACA,BGAEA,DCFEBBA,DCFEGBA	Plugging/clogging of well 23
DCFEGDB -	-BGADA,BGAEB,DCFECBA,DCFEGCA	Plugging/clogging of well 105
DCFEGE- -	-BGAF - - - - -	Testing/inspection of wells/well equipment
DCFEGEA -	-BGAAA,BGAFA,BGFAA,BGFBA, DCFEGAA- - - - -	Testing/inspection of well pumps
DCFEGEB -	-BGACB,BGAFC,DCFEBBB,DCFEGBB	Testing/inspection of well 23
DCFEGEC -	-BGADB,BGAFC,DCFECBB,DCFEGCB	Testing/inspection of well 105
DCFEGED -	-BGABA,BGAFB,DCFEGFA- - - - -	Testing/inspection of well casings
DCFEGF- -	-BGAB - - - - -	Maintenance/repair of well casings
DCFEGFA -	-BGABA,BGAFB,DCFEGED- - - - -	Testing/inspection of well casings
DCFEH - -	- - - - -	Offsite wells

INDEX TO PROJECT TWINS

TERM	CODES
Well abandonment program	
SEE *Abandonment of wells- - - - -	NC
Well casings- - - - -	DCFEA
Well casings (maintenance)	
SEE *Maintenance/repair of well casings- - - - -	BGAB,DCFEGF
Well logs/geological strata transversed in well construction- - - - -	CHC,DCFEEC
Well pumps (leaks in)	
USE Leaks in well pumps- - - - -	BKCA
*Wells - - - - -	DCFE
Wells (grouting off)	
USE Grouting of wells- - - - -	NEA
Wells as pathways of contaminant migration	
USE Contaminant migration through wells- - - - -	EDAA
Wells/well equipment (maintenance)	
SEE *Maintenance/repair of wells/well equipment- - - - -	BGA,DCFEG
Well water (quality of)	
SEE *Quality of well water - - - - -	DCFEB
Well water odor	
USE Odor of well water - - - - -	DCFEBB
Well water taste	
USE Taste of well water- - - - -	DCFEB A
*Well 23 - - - - -	DCFEB B
*Well 105- - - - -	DCFEB C
Wet cut - - - - -	BEAB,KPJ
Wetlands- - - - -	DCDE
Wet scrubber	
USE Air scrubber - - - - -	AFD
Wheeler Bridge buildings- - - - -	AE
White Bear Lake municipal wells - - - - -	DCFEBH
White Bear Lake nonmunicipal wells- - - - -	DCFEBK
WHO compounds	
SEE *Polynuclear aromatic hydrocarbons (PAH) - - - - -	KFB

D

40/ FIND TC=DCF*
84 TERMS WITH YOUR STEM WERE COMBINED
* 12 40/ TC=DCF* (84 TERMS COMBINED) ** UNIVERSE= 1 **
41/ DIISPLAY DOC FOR ALL
THERE IS NO SUCH TERM
0 ITEMS SAVED AS SET 41
IN YOUR DATA BASE SUBSET, LINE=1
42/ DISPLAY DOC FOR ALL
USER ERROR.
DISPLAY DOC FOR ALL

*
USER ERROR. NO ITEMS IN THE REQUESTED DOCUMENT SET
42/ FIND TC=DCF*
84 TERMS WITH YOUR STEM WERE COMBINED
* 12 42/ TC=DCF* (84 TERMS COMBINED) ** UNIVERSE= 1 **
43/ DISPLAY DOC FOR ALL

ITEM 1

ACCESSION NUMBER	4147
DOCUMENT DATE	740211
AUTHORS	FINCH H;REILLY/KOCH R;MDH/
TITLE	Summary of Conversation Concerning Past Operation of Republic
DOCUMENT TYPE	MEMO
MARG/LEGB/ENCL	NEN
NAMES IN TEXT	FINCH H;REILLY/KOCH R;MDH/
ORGANIZATIONS IN TEXT	MDH/Roger Hydraulics Co/REPUBLIC/SLP/Webster Lum ber Company/
TAX CODE	GAB;GCC/EHAA;KFE;DCFEHBF;EC;CAC/DCFEB;DCFEB/BM;B L/DCDCB/DCDF;BEA;AK/
TAX TEXT	GAB-Meetings between company representatives and state representatives/EHAA-Water sampling/sampl ing procedures;KFE-Phenols;DCFEHBF-St. Louis Par k municipal wells;EC-Sources of contamination;CA C-Construction of Highway 7/DCFEB-Onsite wells;D CFEB-Quality of well water/BM-Fires/explosions;B L-Spills/dripping of substances/DCDCB-Minnehaha Creek/DCDF-Ponds;BEA-Wastewater discharge/dispos al;AK-Waste disposal/dump areas/
FICHE REFERENCE	17.01-008.0F2;6400207

ITEM 2

ACCESSION NUMBER	15245
DOCUMENT DATE	620308
AUTHORS	FINCH H;REILLY/
ADDRESSEES	BOYLE R;REILLY/
TITLE	Plant Property, SLP
DOCUMENT TYPE	MEMO
MARG/LEGB/ENCL	NGN
NAMES IN TEXT	Blum T/City road engineer/Keyes M/MCPHEE H;SLP/V raalstad I/Wolfe/Yngve/
ORGANIZATIONS IN TEXT	HRA/Minnesota/MDH/Parkview Improvement Associati on/REPUBLIC/SLF Water Department/

TAX TEXT

FICHE REFERENCE

ITEM 3

ACCESSION NUMBER
DOCUMENT DATE
AUTHORS
ADDRESSEES
TITLE

15310
701214
FINCH H;REILLY/
RYAN T;REILLY/
001207 Meeting in the Offices of the Pollution
Control Agency to Discuss Air and Water
Pollution in Relation to the SLP Plan

DOCUMENT TYPE
MARG/LEGB/ENCL
NAMES IN TEXT

MTG MIN
NGN
BOYLE R;REILLY/CHERCHES C;SLP/Kosa T/KOONCE G;PC
A/Lindall R/LESHER C;REILLY/MCPHEE H;SLP/POPHAM
W;POPHAM/Reiersgord T/REILLY P;REILLY/Smith/Wolf
/

ORGANIZATIONS IN TEXT

AG/City of Hopkins/City of Minneapolis/MPCA/Poll
ution Curbs/POPHAM/

TAX CODE

HB;MC/EB;ECA;DCDFB;BE;CB;ED/CBB;CDB;EBCA;DBG/AF
/ECA;EBC;DBG;DCC;EBB;BLC/CAC;EDA;DCC;EBB;DCFEHBF
/EHAA;DCD/EBD;AFD;JB/

TAX TEXT

HB-Company authority/responsibility for environm
ental affairs/waste disposal;MC-Complaints/EB-En
vironmental damage resulting from contaminants;E
CA-Company site/coal tar as source of contaminat
ion;DCDFB-Storm water ponds;BE-Disposal of waste
s;CB-Storm system/sewer/water ponds construction
;ED-Migration of contaminants/CBB-Earthmoving/ex
cavation for storm system/sewer/water ponds cons
truction;EBCA-Odor/visual contamination of soil/
AF-Pollution control equipment/facilities/ECA-Co
mpany site/coal tar as source of contamination;E
BC-Soil/rock contamination;DCC-Water contaminati
on;BLC-Spills/dripping in wood storage area/CAC-
Construction of Highway 7;EDA-Pathways of contam
inant migration;DCC-Water contamination;DCFEHBF-
St. Louis Park municipal wells/EHAA-Water sampli
ng/sampling procedures;DCD-Surface water/EBD-Air
pollution;AFD-Air scrubber;JB-Compliance with g
overnment regulations/legislation/standards/

FICHE REFERENCE
DUPLICATE RECORDS

34.01-024.0E4;301970
34.01-030.0F4;302773 ;NPN ; 15531/ 34.01-046.0E5
;302663 ;NGN ; 16029/ 34.01-046.0F5;302663 ;NEN
; 16031/ 34.01-047.0C1;302663 ;NEN ; 16032/

ITEM 4

ACCESSION NUMBER
DOCUMENT DATE
AUTHORS

15421
680503
FINCH H;REILLY/